Shannon Taylor

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Education

2018 First Class Honours, BBioMedSci
Reproduction, Genetics, and Development, University of Otago
Thesis title: The role of *Numb* in Honeybee Ovary Activation
Supervisor: Prof. Peter Dearden

2015 - 2017 BBioMedSci, Molecular Basis of Health and Disease, University of Otago
GPA: 8.3/9

2010 - 2014 Westminster School, Adelaide, Australia
ATAR 97.45

Publications and Poster Presentations

2018 **Taylor, S.E.**, Tuffrey, J., and Dearden, P.K. (2018) "*Torso-like* is necessary for vitelline membrane integrity in *Nasonia vitripennis*", Euro Evo Devo 2018, Galway, Ireland.

2017 Cridge, A. G., Lovegrove, M, Skelly, J. G., **Taylor, S. E.**, Petersen, G. E.L., Cameron, R. C., and Dearden, P. K. (2017), "The honeybee as a model insect for developmental genetics", *Genesis* 55: 5, DOI: 10.1002/dvg.23019

In prep. **Taylor, S.E.**, Tuffrey, J., Lequeux, S and Dearden, P.K. "The *Drosophila* axis formation gene *torso-like* functions to maintain the structure of the vitelline membrane in *Nasonia vitripennis*".

Scholarships and Awards

2017 - 2018 Elizabeth Jean Trotter Scholarship in Biomedical Sciences

2017 GSA Student Travel Award to attend the "2017 Annual Conference of the Genetics Society of Australasia with the NZ Society for Biochemistry and Molecular Biology"

2015 Academic Excellence Toroa College

2015 Certificate of Appreciation for Community Service Toroa College

Research Experience

2015- Laboratory of Evolution and Development, Otago University
Molecular biology, genetics, and microscopy techniques to investigate the role of *torso-like* in wasp development
Quantitative imaging to investigate the role of Notch signalling in honeybee ovary activation

Teaching Experience

2018 Department of Biochemistry, Otago University
Tutored groups of 15 second-year medical students in Genetics
Demonstrated laboratory techniques in Biochemistry to first-year students.

Relevant skills

Investigating gene expression using *in situ* hybridization, immunohistochemistry, hybridization chain reaction

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